

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20050105902".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/11 09:22
S2	9	alavie-tino.in. or alavie-tino-\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/05 16:40
S3	3	((("5712716") or ("6052499") or ("6067187"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/10/05 16:40
S6	2	ep-984580-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/05 16:42
S7	2	"6782203".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/05 16:42
S8	11	("20020150329"   "5493625"   "5680490"   "5712716"   "5808763"   "5841919"   "5912749"   "6052499"   "6094296"   "6281997"   "6714702").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/05 16:43
S9	28	("6281997").URPN.	USPAT	OR	OFF	2006/10/05 17:02
S10	800	band\$1 near2 (demux\$4 or demultiplex\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/05 17:26
S11	716199	circulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/11 09:20
S12	21680	tun\$4 near2 filter\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/05 17:27
S13	23487	tun\$4 near2 (grating\$1 or filter\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/05 17:27
S14	23881	tun\$4 near2 (etalon\$1 or grating\$1 or filter\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 15:02
S15	34	S10 same S11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/05 17:27
S16	14	S10 same S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/05 17:28
S17	1	S15 and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/05 17:27
S18	225	S10 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/05 17:28

## EAST Search History

S19	80	S14 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 15:03
S20	804	band\$1 near2 (demux\$4 or demultiplex\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/11 09:19
S21	717170	circulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 14:45
S22	228	S20 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 14:45
S23	3307	band\$1 with (demux\$4 or demultiplex\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 15:02
S24	554	S21 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 15:02
S25	23909	tun\$4 near2 (etalon\$1 or grating\$1 or filter\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 15:03
S26	173	S24 and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 15:03
S27	23909	tun\$4 near2 (etalon\$1 or grating\$1 or filter\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/11 09:18
S28	82	S27 and S22	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 15:03
S29	91	S26 not S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 17:23
S30	153	leung-christina-\$.xa.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 17:23
S31	14	S25 and S30	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 17:23
S32	5	("5136671"   "5557442"   "5832154"   "6278536"   "6348984").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/10 17:25
S33	23909	tun\$4 near2 (etalon\$1 or grating\$1 or filter\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/11 09:19

## EAST Search History

S34	1638206	(etalon\$1 or grating\$1 or filter\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/11 09:19
S35	1639538	(etalon\$1 or grating\$1 or filter\$1 or fbg\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/11 09:19
S36	61755	(demux\$4 or demultiplex\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/11 09:19
S37	717170	circulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/11 10:07
S38	672	S35 same S36 same S37	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/11 10:07
S39	58	(US-20050105902-\$ or US-20050232627-\$ or US-20030108283-\$ or US-20020150329-\$ or US-20030026529-\$ or US-20030206689-\$ or US-20050238283-\$ or US-20020093707-\$ or US-20040008931-\$ or US-20050111495-\$ or US-20030007209-\$ or US-20040197097-\$).did. or (US-7106974-\$ or US-7058256-\$ or US-6208443-\$ or US-6204946-\$ or US-6201909-\$ or US-7031613-\$ or US-6614569-\$ or US-5608825-\$ or US-5706375-\$ or US-6292603-\$ or US-6288810-\$ or US-6388783-\$ or US-5909295-\$ or US-6714702-\$ or US-6996307-\$ or US-6959153-\$ or US-6122096-\$ or US-6559988-\$ or US-6256433-\$ or US-6041152-\$ or US-6313933-\$ or US-7085447-\$ or US-5680490-\$ or US-6040932-\$ or US-6567196-\$ or US-6516112-\$).did. or (US-5825520-\$ or US-6760532-\$ or US-6895184-\$ or US-6281997-\$ or US-6201907-\$ or US-6782203-\$ or US-6404948-\$ or US-6317539-\$ or US-6144784-\$ or US-6912340-\$ or US-5748350-\$ or US-6829438-\$ or US-6687423-\$ or US-6602000-\$ or US-6310703-\$ or US-6348984-\$).did. or (EP-1077552-\$).did. or (JP-2000266948-\$ or JP-2000115075-\$ or JP-2000321463-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/09 10:06
S40	100	Alavie-Tino.in. Beckley-Keith.in. Leonard-Stephen.in. Xu-Ming-Gang.in. Alavie-Tino-\$ .in. Beckley-Keith-\$ .in. Leonard-Stephen-\$ .in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/09 09:23
S41	43953	(wavelength adj2 multiplex\$4) or wdm or dwdm	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/09 09:24
S42	8	S41 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/09 09:24
S43	2	"20040197097".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/09 10:42
S44	2	"20020141009".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/09 10:14

## EAST Search History

S45	48	(US-20020150329-\$ or US-20030007209-\$ or US-20030026529-\$ or US-20030108283-\$ or US-20050232627-\$ or US-20040197097-\$ or US-20050105902-\$).did. or (US-6959153-\$ or US-6996307-\$ or US-7031613-\$ or US-7058256-\$ or US-6602000-\$ or US-5608825-\$ or US-5680490-\$ or US-5706375-\$ or US-5748350-\$ or US-5825520-\$ or US-5909295-\$ or US-6040932-\$ or US-6041152-\$ or US-6122096-\$ or US-6144784-\$ or US-6201907-\$ or US-6204946-\$ or US-6208443-\$ or US-6256433-\$ or US-6281997-\$ or US-6288810-\$ or US-6292603-\$ or US-6310703-\$ or US-6313933-\$ or US-6317539-\$ or US-6348984-\$).did. or (US-6388783-\$ or US-6516112-\$ or US-6559988-\$ or US-6614569-\$ or US-6912340-\$ or US-6714702-\$ or US-6760532-\$ or US-6782203-\$ or US-6895184-\$ or US-6687423-\$ or US-7085447-\$).did. or (EP-1077552-\$).did. or (JP-2000115075-\$ or JP-2000266948-\$ or JP-2000321463-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/10 13:49
S46	50872	isolator\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:59
S47	14	S45 and S46	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:50
S48	838	band\$1 near2 (demux\$4 or demultiplex\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 14:02
S49	879	(coarse or band\$1) near2 (demux\$4 or demultiplex\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 13:57
S50	24586	tun\$4 near2 (grating\$1 or filter\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 13:57
S51	744445	circulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 13:58
S52	722	S50 same S51	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 13:58
S53	13	S49 and S52	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 14:01
S54	6	S46 same S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 14:01
S55	65041	(demux\$4 or demultiplex\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 14:02
S56	406	398/87.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:22

## EAST Search History

S57	14936	398/1-214.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 14:03
S58	699	S46 same S55	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 14:04
S59	160	S57 and S58	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:01
S60	5923221	prevent\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:03
S61	8078	S46 same S60	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:04
S62	502	S57 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:04
S63	22	S56 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:04
S64	3936	385/24.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:22
S65	124	S49 and S64	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:22
S66	269	lin.in. and demultiplexer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:48
S67	31	S57 and S66	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:48
S68	11	("20020150329"   "5493625"   "5680490"   "5712716"   "5808763"   "5841919"   "5912749"   "6052499"   "6094296"   "6281997"   "6714702").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 15:48
S69	2097	broadband near2 filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:54
S70	2533	narrowband near2 filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:53
S71	100	S69 same S70	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:50

## EAST Search History

S72	43976	(wavelength adj2 multiplex\$4) or dwdm or wdm	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:51
S73	21	S71 and S72	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:51
S74	18176	narrow\$2 near2 filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:53
S75	3539	broad\$2 near2 filter\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:54
S76	374	S74 same S75	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:54
S77	20	S72 and S76	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 15:54
S78	124546	grating\$1 or fbg\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 16:00
S79	42	S45 and S78	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 16:00
S80	12	S49 and S79	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 16:00
S81	3	("5283686"   "5608825"   "5748363").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 16:11
S82	13	array and S45	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 16:11
S83	2	((("20040197097") or ("20020176134"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/10 16:16
S84	2	"20040197097".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 16:13
S85	34498	bragg or fbg or fbgs	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 17:02
S86	190	S85 and S56	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 16:28
S87	17	("5048909"   "5283686"   "5461685"   "5499308"   "5608825"   "5629995"   "5652814"   "5706375"   "5712717"   "5726785"   "5737104"   "5748350"   "5754718"   "5822095"   "5841918"   "5852505"   "5859941").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 16:22

## EAST Search History

S88	51	("5652814").URPN.	USPAT	OR	OFF	2007/04/10 16:25
S89	19	S85 and S88	USPAT	OR	OFF	2007/04/10 16:25
S90	799	S85 and S64	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 16:29
S91	512	S55 and S90	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 16:30
S92	68239	(multiplex\$4 or demultiplex\$4).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 16:30
S93	151	S91 and S92	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 16:30
S94	32	(US-20020150329-\$ or US-20030026529-\$ or US-20030108283-\$ or US-20040197097-\$ or US-20050105902-\$ or US-20020176134-\$).did. or (US-6602000-\$ or US-5608825-\$ or US-5748350-\$ or US-5825520-\$ or US-5909295-\$ or US-6040932-\$ or US-6041152-\$ or US-6144784-\$ or US-6201907-\$ or US-6256433-\$ or US-6281997-\$ or US-6288810-\$ or US-6317539-\$ or US-6516112-\$ or US-6912340-\$ or US-7085447-\$ or US-5457760-\$ or US-5793508-\$ or US-6424440-\$ or US-5557439-\$ or US-5579143-\$ or US-5712716-\$ or US-6388783-\$ or US-5652814-\$ or US-5943149-\$ or US-6263126-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/04/10 16:34
S95	366960	tun\$4	US-PGPUB; USPAT	OR	OFF	2007/04/10 16:34
S96	20	S94 and S95	US-PGPUB; USPAT	OR	OFF	2007/04/10 16:34
S97	5	((("20040197097") or ("20020176134") or ("5457760") or ("5793508") or ("5579143"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/10 16:37
S98	1044	398/82,84,87.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 16:37
S99	191	398/34.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/15 16:53
S10 0	638	S98 not S56	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 16:37
S10 1	3779	S85 same S95	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 17:03
S10 2	4360	grating adj period\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 17:03
S10 3	619	S101 and S102	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 17:03

## EAST Search History

S10 4	224913	(refraction or refractive) near1 index	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 17:04
S10 5	551	S103 and S104	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 17:03
S10 6	1276	S102 same S104	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 17:04
S10 7	307	S101 and S106	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 17:05
S10 8	66	S101 same S106	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/10 17:05
S10 9	5	((("20040197097") or ("20020176134") or ("5457760") or ("5793508") or ("5579143")).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/15 15:07
S11 0	3	S109 and (osnr or snr or noise)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/15 15:09
S11 1	2	S109 and (array\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/15 16:52
S11 2	140	narrowband same (sharp\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/15 15:35
S11 3	124632	grating\$1 or fbg\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/15 15:35
S11 4	27	S112 and S113	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/15 15:39
S11 5	3	((("5712716") or ("6052499") or ("6067187")).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/15 15:42
S11 6	0	ep-0984580-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/15 15:42
S11 7	2	ep-984580-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/15 15:44
S11 8	1	("20020012144").PN.	US-PGPUB; USPAT	OR	OFF	2007/04/15 15:44
S11 9	11	( "5305083" "6310703" "6504976" "651025").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/15 16:52



## EAST Search History

S12 0	128	398/26.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/15 16:53
----------	-----	--------------	---	----	-----	------------------